6” ENCAPSULATED SUBMERSIBLE MOTORS
SINGLE-PHASE 5-15 HP AND THREE-PHASE 50-60 HP
200-575 VOLTS 60 AND 50 HZ

APPLICATIONS
These motors are built for dependable operation in 6-inch diameter or larger water wells. Temperature and time ratings are continuous in 86 °F (30 °C) water at 1/2 ft./sec. flow past the motor. Rotation: single-phase, CCW facing shaft end; three-phase, electrically reversible.

FEATURES
- Full 3450 RPM design point
- Maximum temperature winding wire NEMA class 200
- Anti-track, self-healing resin system
- Hermetically-sealed windings
- Removable Water-Bloc™ lead
- Double-flange design
- Over-molded lead for cable resilience.
- Stainless steel shell
- Kingsbury-type water lubricated thrust bearing
- Pressure-equalizing diaphragm
- Sand slinger
- 3-lead and 6-lead (Wye Delta) configurations for 3-phase
- Copper bar rotor

SPECIAL FEATURES
- 316 Stainless Steel: Special construction option for acid, low pH, and seawater applications. All 316 SS motors include a Subtrol-Plus™ heat sensor.
- Sand Fighter® models include Subtrol-Plus™ heat sensor on 40, 50, and 60 hp models.

SUBMONITOR™ OVERLOAD OPTION FOR THREE-PHASE MOTORS
A field proven and contractor friendly premium motor protection system. It protects the motor against overload, underload, excessive winding temperature, and rapid cycling. It also extends the motor warranty to a full three years.* The motor must be manufactured with a Subtrol-Plus heat sensor.

*Contact factory for warranty details.

WARNING: Serious or fatal electrical shock or fire hazard may result from failure to follow the instructions for proper installation and use which accompany this equipment. Do not use motor in swimming areas.
6” ENCAPSULATED SUBMERSIBLE MOTORS

AVAILABILITY

Single-Phase Capacitor start, Capacitor run (Control box required)

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<th>HP</th>
<th>KW</th>
<th>&quot;L&quot; Dim IN</th>
<th>CM</th>
<th>316 SS &quot;L&quot; Dim IN</th>
<th>CM</th>
<th>Shipping Weight LBS</th>
<th>KG</th>
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Three-Phase

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Note: 60 Hz - 3,450 RPM  50 Hz - 2,875 RPM

CONSTRUCTION MATERIALS

UL Insulation Class Rating
- Class F

Motor Ambient Temp. Rating
- 86 °F/30 °C

Stator Resin Type
- Standard

Motor Fill Solution (Water Soluble/Non-Toxic)
- FES91

Top End Bell and Thrust Housing
- Epoxy-coated Gray Iron

Stator Shell
- 300 Series SS

Stator Ends
- Carbon Steel

Shaft Extension
- 300 Series SS

Bushing
- 316 SS

Bushing Retainer
- 300 Series SS

Shaft Mechanical Seal
- Sand Fighter Seal System

Mechanical Seal/Rubber Components
- Nitrile

Diaphragm Material
- 300 Series SS

Diaphragm Plate
- 300 Series SS

Diaphragm Spring
- 300 Series SS

Shaft Slinger
- Nitrile

Lead Wire
- Overmolded

Lead Potting
- Epoxy

Lead Jam Nut
- Brass

Thrust Bearing Rating (86°F/30°C)
- 3500 lbs (7.5-30 hp)
- 6000 lbs (40-60 hp)

Method Of Connecting System Ground to Motor
- Ground wire in power lead connector

Note: Specifications subject to change without notice. Contact Franklin Electric if current material types are required for bid specifications.